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100 Days of SwiftUI: Final Exam

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Click on any answer to show more detail.

1. Correct

Option 1: As it's a container, **VStack** can't have accessibility data.

Option 2: Three text fields in the same **VStack** are considered to be separate elements if they aren't specifically combined.

You selected Option 2.

2. Correct

Option 1: The **alignmentGuide()** modifier lets us write custom code to calculate a view's alignment guide.

Option 2: The presentation mode of a view determines its size on the screen.

You selected Option 1.

3. Correct

Option 1: We can create a rounded rectangle shape using SwiftUI's **Capsule** shape.

Option 2: We can place optional views directly into a SwiftUI view hierarchy.

You selected Option 2.

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Option 1: SwiftUI lets us animate changes that occur as a result of modifying a Boolean's value.

Option 2: Alert messages cannot include string interpolation.

You selected Option 1.

5. Correct

Option 1: Properties wrapped in **@EnvironmentObject** must have a value before the view is shown.

.....

Option 2: Strings conform to **Identifiable** by default.

You selected Option 1.

6. Correct

Option 1: Shapes must be able to create a path.

Option 2: SwiftUI coordinator classes must always be nested inside a struct.

You selected Option 1.

7. Correct

Option 1: SwiftUI's Color. red is not a pure red color.

Option 2: A VStack can have an alignment or spacing, but not both.

You selected Option 1.

8. Correct

Option 1: We can attach **onChanged()** and **onEnded()** modifiers to a **DragGesture**.

......

Option 2: @EnvironmentObject only works with structs.



Option 1: We can create a **List** directly from an array.

Option 2: @NSManaged is a property wrapper.

You selected Option 1.

10. Correct

Option 1: Apple recommends **@State** properties should use public access control.

Option 2: To make a SwiftUI view wrap a UIKit view, we must make it conform to **UIViewControllerRepresentable**.

You selected Option 2.

11. Correct

Option 1: Once a **Timer** has started, it can't be stopped.

Option 2: Whenever an **@State** property changes, Swift re-invokes our **body** property.

You selected Option 2.

12. Correct

Option 1: Only one child view in a given parent can use a custom **layoutPriority()**.

Option 2: EditButton() will automatically switch between Edit and Done when tapped.

You selected Option 2.

13. Correct

Option 1: If we create an **NSManagedObject** subclass, make changes to it, then ask Xcode to create the subclass again, it will add our changes back to the class.

Option 2: The **Codable** protocol is actually a combination of **Encodable** and **Decodable**.

You selected Option 2.

14. Correct

Option 1: If a **VStack** has a foreground color and some text inside also has a foreground color, the **VStack**'s foreground color is used.

Option 2: Decorative images are images that are merely there to make the UI look nicer.

You selected Option 2.

15. Correct

Option 1: When creating a custom alignment guide we must provide a default value.

.....

.....

Option 2: Arrays cannot be used with @State.

You selected Option 1.

16. Correct

Option 1: Ease in animations start slow and end fast.

Option 2: SwiftUI's views cannot be created as @State properties.

You selected Option 1.

17. Correct

Option 1: Images from SF Symbols can be shown larger or small by using the **font ()** modifier.

.....

Option 2: Each modifier can be applied only once to a given view.

You selected Option 1.

Option 1: If a text field will hold only numbers, we should bind it to an integer property.

Option 2: SwiftUI can animate several properties changing at the same time.

You selected Option 2.

19. Correct

Option 1: The **Identifiable** protocol has no requirements.

Option 2: Creating a property using

@Environment(\.horizontalSizeClass) will keep the value updated when the size class changes.

You selected Option 2.

20. Correct

Option 1: The **NavigationBar** view lets us show new views and also place text at the top of the screen.

Option 2: We can send nil to the animation() modifier.

You selected Option 2.

21. Correct

Option 1: QR codes are just barcodes with more colors.

Option 2: The **.fill** content mode might mean parts of an image lie outside its container's frame.

You selected Option 2.

22. Correct

Option 1: The **sequenced (before:)** modifier lets us create chains of gestures.

Option 2: @Binding cannot be used with a private property.

Option 1: SwiftUI allows us to group views into a single accessibility element.

Option 2: We can use @Environment only once per view.

You selected Option 1.

24. Correct

Option 1: We can bind an **alert()** modifier to an optional value.

Option 2: SF Symbols don't have any default accessibility labels.

You selected Option 1.

25. Correct

Option 1: @Binding lets us share one value in two places.

Option 2: "Conic gradient" is another name for a radial gradient.

You selected Option 1.

26. Correct

Option 1: ImagePaint lets us tile an image as a fill or border.

Option 2: The **createCoordinate()** modifier lets us create a custom coordinate space.

You selected Option 1.

27. Correct

Option 1: A view is always and exactly the same size as its body.

Option 2: Child views must always use less than or equal to the amount of space the parent offers them.

You selected Option 1.

Option 1: Changing any **@State** property of a view causes SwiftUI to reinvoke the body property.

Option 2: Arrays cannot use the @Published property wrapper.

You selected Option 1.

29. Correct

Option 1: contentShape() allows us to control the tap area for a view.

Option 2: We can show an alert by calling its show() method.

You selected Option 1.

30. Correct

Option 1: Custom view modifiers must conform to the **ViewModifier** protocol.

Option 2: ForEach views can't loop over more than 10 items, because SwiftUI doesn't allow it.

You selected Option 1.

31. Correct

Option 1: If we place views inside a **Group** the parent view decides how those views should be laid out.

Option 2: We can have only one @Published property in a class.

You selected Option 1.

32. Correct

Option 1: SwiftUI stores view positions and sizes as integers.

Option 2: SwiftUI allows no more than 10 child views inside each parent.

Option 1: View modifiers must return the same view struct they were given.

Option 2: Context menus are triggered when users long press on a view.

You selected Option 2.

34. Correct

Option 1: A **GeometryReader** always takes up all available space in its parent.

Option 2: Coordinator classes help us respond to actions in a **UIView** or **UIViewController**.

You selected Option 2.

35. Correct

Option 1: Before trying to stretch the contents of an image view, we should use **aspectRatio(contentMode: .resize)**.

Option 2: We can align text in a **HStack** using the baseline of the first or last text views.

You selected Option 2.

36. Correct

Option 1: One environment object can be shared in up to two views.

Option 2: When a **URLSession** data task completes, it might send us data or an error, but not both.

You selected Option 2.

37. Correct

Option 1: We can use a **ForEach** view inside a **List**.

Option 2: When creating a custom **Binding**, we can specify either a **get** closure or a **set** closure, but not both.

You selected Option 1.

38. Correct

Option 1: Placing two views in a **List** row will create an implicit **HStack**.

Option 2: Parent views can force a size on one of their chidren.

You selected Option 1.

39. Correct

Option 1: Unless we ask for a custom alignment, most parents always place their child views in the top-left corner of their available space.

Option 2: Text views automatically fit the size required to display all their lines.

You selected Option 2.

40. Correct

Option 1: We can use **Spacer(minHeight:)** to force a spacer to be at least a certain height.

Option 2: We can force a navigation view to show only one view using **StackNavigationViewStyle**.

You selected Option 2.

41. Correct

Option 1: SwiftUI does not let us bind a text field directly to an optional string property.

Option 2: If we want to modify a property, we need to use a SwiftUI property wrapper such as **@Property**.

You selected Option 1.

Option 1: We must always return **some View** from a SwiftUI view body.

Option 2: We can call **objectWillChange.send()** to notify SwiftUI that an observable object is about to change.

You selected Option 2.

43. Correct

Option 1: We can't use **onDelete(perform:)** with views backed by Core Data objects.

Option 2: We attach code to run when an action sheet button is tapped by providing a closure.

You selected Option 2.

44. Correct

Option 1: The **[C]** modifier for **NSPredicate** marks the predicate as being case-sensitive.

Option 2: All SwiftUI views must have a body property.

You selected Option 2.

45. Correct

Option 1: Accessibility labels must always be a single hard-coded string.

Option 2: The **InsettableShape** protocol builds on the **Shape** protocol.

You selected Option 2.

46. Correct

Option 1: iOS can take care of file encryption for using the **.completeFileProtection** option.

Option 2: To read when return is pressed for a text view we should add an **onReturnPressed()** modifier.

Option 1: Action sheets can have more buttons than alerts.

Option 2: SwiftUI has five built-in coordinate spaces.

You selected Option 1.

48. Correct

Option 1: NavigationView lets us push a new custom view, or a basic type such as **Text**.

Option 2: SwiftUI's lists cannot work with computed properties.

You selected Option 1.

49. Correct

Option 1: Buttons must be given a closure to be run when they are tapped.

Option 2: Fetch requests must be created using the **@FetchRequest** property wrapper.

You selected Option 1.

50. Correct

Option 1: Action sheets can have a title and/or message.

Option 2: Swift's **Result** type is designed for use with throwing functions.

You selected Option 1.

51. Correct

Option 1: onDelete(perform:) cannot be attached directly to a **List** view.

Option 2: Timers automatically pause as soon as our app moves to the background.

Option 1: We can receive values from a Combine publisher using **onReceive()**.

Option 2: We can animate views, but we can't animate view overlays.

You selected Option 1.

53. Correct

Option 1: Stacks can have unlimited numbers of views inside them.

Option 2: A **GeometryReader** is given one value inside its layout closure, which is a **GeometryProxy** containing layout information.

.....

You selected Option 2.

54. Correct

Option 1: Rotating then translating a transform gives the same result as translating then rotating.

Option 2: If we want to animate a shape changing, we should add an **animatableData** property.

You selected Option 2.

55. Correct

Option 1: The **clipped()** modifier lets us specify a shape for a view should to be drawn inside.

Option 2: Swift's **Result** type can contain either success or failure, but not both.

You selected Option 2.

56. Correct

Option 1: Asymmetric transitions let us combine transitions with explicit animations.

Option 2: If we want to programmatically set the active tab for a **TabView**, we must set a tag on the views inside it.

You selected Option 2.

57. Correct

Option 1: To enable swipe to delete for list rows, we should add an **onSwipeToDelete()** modifier.

Option 2: To remove the label from a date picker, we should use **labelsHidden()**.

You selected Option 2.

58. Correct

Option 1: Using withAnimation() always uses a spring animation.

.....

Option 2: We can pass data to views inside their initializer.

You selected Option 2.

59. Correct

Option 1: One instance of a class can be used in many SwiftUI views.

Option 2: We can't absolutely position views in SwiftUI.

You selected Option 1.

60. Correct

Option 1: We can use multiple **animation()** modifiers on a single view.

Option 2: We can apply no more than three modifiers to a single view.

You selected Option 1.

Option 1: Classes that are used with @ObservableObject must conform to the ObservedObject protocol.

Option 2: AnyView conforms to View.

You selected Option 2.

62. Correct

Option 1: If we specify the width of an image, we must also specify its height.

Option 2: One NavigationView can show two views inside it.

You selected Option 2.

63. Correct

Option 1: Higher layout priority values mean views are more likely to be allocated space in their container.

Option 2: We can make a scroll view take up all available screen width by using **frame(maxWidth: .fill)**.

You selected Option 1.

64. Correct

Option 1: Swift has a built-in type for handling dates.

Option 2: It's a good idea to use drawingGroup() for all your drawing.

You selected Option 1.

65. Correct

Option 1: SwiftUI's buttons require a closure that accepts the button that got tapped as its only parameter.

Option 2: The **Binding** struct is generic.

Option 1: SwiftUI ensures **updateUIView()** always gets called at least once a second.

Option 2: Writing data atomically means that iOS writes to a temporary file then performs a rename.

You selected Option 2.

67. Correct

Option 1: We can return **nil** from the body of our views.

Option 2: aspectRatio(contentMode: .fit) is the same as scaledToFit().

You selected Option 2.

68. Correct

Option 1: By default, SwiftUI uses a scale of 1 to 10 for the accessibility values of sliders.

Option 2: When creating a text field we need to provide some placeholder text

You selected Option 2.

69. Correct

Option 1: The order in which we apply modifiers affects the result we get.

.....

Option 2: sheet() requires a NavigationView to work.

You selected Option 1.

70. Correct

Option 1: Gradients must never be used outside the safe area.

Option 2: Text fields have no border by default.

Option 1: The **@Binding** property wrapper creates a **Binding** struct.

Option 2: SwiftUI coordinators cannot act as delegates for another class.

You selected Option 1.

72. Correct

Option 1: Alerts and action sheets look the same on iPhone.

Option 2: Breaking SwiftUI views into smaller views has little to no performance impact.

You selected Option 2.

73. Correct

Option 1: When creating views in a loop, SwiftUI needs to know how to identify each view uniquely.

Option 2: Views presented as sheets automatically share the same environment as the view that presented them.

You selected Option 1.

74. Correct

Option 1: The **@Published** property wrapper places our properties inside a **Published** struct.

Option 2: An @**ObservedObject** struct will notify all views that use it when one of its @**Published** properties change.

You selected Option 1.

75. Correct

Option 1: We can detect when a sheet is closed by setting its **onClose** parameter.

Option 2: We can embed a HStack inside a VStack.

You selected Option 2.

76. Correct

Option 1: % in an **NSPredicate** is dynamically replaced with a sort order.

Option 2: The **offset()** modifier changes where a view is rendered without actually changing its original dimensions.

You selected Option 2.

77. Correct

Option 1: We can let users delete items from a **List** by adding the onDelete() modifier to it.

Option 2: If we write Text("Hello, World!").background(Color.red), the text view is a child of the background.

You selected Option 2.

78. Correct

Option 1: @EnvironmentObject properties must conform to **ObservableObject**.

Option 2: The **disabled()** modifier can read any kind of property, but must not be used with methods.

You selected Option 1.

79. Correct

Option 1: By default, a **NavigationView** doesn't work in landscape.

Option 2: We can use the **layoutPriority()** modifier to control how much space a view is allocated.

Option 1: Views with an **onTapGesture()** modifier automatically have the **isButton** trait.

Option 2: It's possible to mix static and dynamic rows in a **List**.

You selected Option 2.

81. Correct

Option 1: All paths are also shapes.

Option 2: GeometryReader lets us read the size of a view's container.

.....

You selected Option 2.

82. Correct

Option 1: We can detect when an **@State** property changes using a property observer.

Option 2: GeometryReader tells us the size that was proposed by our parent.

You selected Option 2.

83. Correct

Option 1: Semantic colors are colors that are named according to their use rather than according to their hue.

.....

.....

Option 2: SwiftUI view previews shouldn't have properties of their own.

You selected Option 1.

84. Correct

Option 1: AnimatablePair lets us animate any two kinds of data.

Option 2: ForEach views let us loop over ranges and arrays.

Option 1: If we use .accessibilityElement(children: .ignore) the entire view becomes invisible to VoiceOver.

Option 2: When we import a Core ML model into Xcode, it will automatically generate a Swift class for us to use.

You selected Option 2.

86. Correct

Option 1: We can draw borders with a custom shape by using the **overlay()** modifier.

Option 2: We can control the visual appearance of a list using the **listViewStyle()** modifier.

You selected Option 1.

87. Correct

Option 1: When the **disabled()** modifier is given a false condition, the view it's attached to stops responding to user interactivity.

Option 2: Colors are views in SwiftUI.

You selected Option 2.

88. Correct

Option 1: The **@Published** property wrapper watches an observed object for changes.

Option 2: A coordinator class lets us handle communication back from a UIKit view controller.

You selected Option 2.

89. Correct

Option 1: Pickers are always shown as wheels in iOS.

Option 2: We can dynamically replace an **NSPredicate** string with an attribute name using **%K**.

You selected Option 2.

90. Correct

Option 1: When **allowsHitTesting()** is false, a view cannot be tapped.

Option 2: SwiftUI disables image interpolation by default.

You selected Option 1.

91. Correct

Option 1: Using a value of 100 with the **scaleEffect()** modifier makes a view its natural size.

Option 2: We can attach an animation() modifier to a binding.

You selected Option 2.

92. Correct

Option 1: If all the properties of a type conform to the **Hashable** protocol, the type itself can also conform just by adding **Hashable** to its list of conformances.

Option 2: When creating a custom alignment guide, it's recommended to use structs rather than enums.

You selected Option 1.

93. Correct

Option 1: UIViewRepresentable and UIViewControllerRepresentable are the same.

Option 2: Segmented controls are created using picker views in SwiftUI.

You selected Option 2.

Option 1: In order to be used with **alert(item:)**, a value must conform to **Equatable**.

Option 2: Images built from SF Symbols icons have a customizable foreground color.

You selected Option 2.

95. Correct

Option 1: rotation3DEffect() can rotate around more than one axis.

Option 2: A view's body can return **View** rather than **some View** in exceptional circumstances.

You selected Option 1.

96. Correct

Option 1: Every VStack must include one Spacer view.

Option 2: Trailing bar button items appear on the right in left-to-right languages.

You selected Option 2.

97. Correct

Option 1: We can pop a view from a **NavigationView** using the same presentation mode dismiss code we use for sheets.

Option 2: Using the multiply blend mode usually results in a lighter image.

You selected Option 1.

98. Correct

Option 1: The destination of a **NavigationLink** is always shown in the current view.

Option 2: SwiftUI's previews aren't included in our app if we send it to the App Store.

You selected Option 2.

99. Correct

Option 1: NavigationLink requires a NavigationView to work.

Option 2: Color is both a view and a shape.

You selected Option 1.

100. Correct

Option 1: The **blur()** modifier applies a Gaussian blur to a view, using a radius we specify.

Option 2: We can use implicit animation or explicit animation, but not both.

You selected Option 1.

Total score: 100/100

Back to Review menu

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